

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method of generating computer code for a web application, comprising:

~~receiving input files from a graphic designer, wherein the input files are at least one web application graphical user interface;~~

~~determining if an application framework code is available for the web application;~~

~~generating the application framework code if the application framework code is not available;~~

generating a business logic foundation code, an event handler skeleton and a graphical user interface code;

receiving web application business logic objects ~~from a web developer;~~

receiving event handler methods ~~from the web developer;~~

organizing the application framework code, the web application business logic objects and the event handler methods into web application source code;

compiling the web application source code;

~~receiving modified input files from the graphic designer;~~

compiling ~~the~~ modified input files at runtime; and

binding the compiled modified input files with the compiled web application source code at runtime.

2. (Original) A method of generating computer code for a web application, comprising:

receiving input files, wherein the input files are at least one web application graphical user interface;

generating an application framework code and an event handler skeleton;

receiving web application business logic objects;

receiving event handler methods;

organizing the application framework code, the web application business logic objects and the event handler methods into application source code; and

binding the web application source code with the input files at runtime.

3. (Original) The method of claim 2, wherein generating an event handler skeleton further comprises:

parsing at least one input file;
reviewing the parsed input file for a tag type, an attribute name and an attribute value;
and
determining an event handler method based on the tag type, the attribute name and the attribute value.

4. (Original) The method of claim 2, wherein the web application source code is generated in an object-oriented programming language.

5. (Original) The method of claim 4, wherein the object-oriented programming language is Java.

6. (Original) The method of claim 4, wherein the object-oriented programming language is C++.

7. (Original) The method of claim 2, further comprising determining if the application framework code is available for the web application.

8. (Original) The method of claim 2, further comprising generating a business logic foundation code.

9. (Original) The method of claim 2, further comprising generating a graphical user interface code.

10. (Original) The method of claim 9, wherein generating a graphical user interface code is based on the input files.

11. (Original) The method of claim 2, wherein generating an event handler skeleton is based on the input files.

12. (Original) The method of claim 2, further comprising compiling the web application source code.

13. (Original) The method of claim 2, further comprising interpreting the web application source code.
14. (Original) The method of claim 2, wherein the input files are in XML format.
15. (Original) The method of claim 2, wherein the input files are in HTML format.
16. (Original) The method of claim 2, wherein the input files are in cHTML format.
17. (Original) The method of claim 2, wherein the input files are in WML format.
18. (Original) The method of claim 2, further comprising receiving modified input files.
19. (Original) The method of claim 18, further comprising compiling the modified input files at runtime.
20. (Original) The method of claim 19, further comprising binding the web application source code with the compiled modified input files at runtime.
21. (Original) The method of claim 20, wherein the modified input files are compiled into DOM objects at runtime.
22. (Original) The method of claim 18, further comprising interpreting the modified input files at runtime.
23. (Original) The method of claim 22, further comprising binding the web application source code with the interpreted modified input files at runtime.
24. (Original) The method of claim 2, further comprising generating application runtime properties.
25. (Original) The method of claim 2, further comprising generating application SQL statements.
26. (Original) The method of claim 2, wherein the application framework code comprises an application object and a sen/let web application framework object.

27. (Original) A method of generating computer code for a web application, comprising:
- receiving input files, wherein the input files are at least one web application graphical user interface;
 - retrieving an application framework code from an application directory;
 - generating an event handler skeleton;
 - receiving web application business logic objects;
 - receiving event handler methods;
 - organizing the application framework, code, the web application, business logic objects and the event handler methods into application source code; and
 - binding the web application source code with the input files at runtime.
28. (Original) The method of claim 27, further comprising retrieving a business logic foundation code.
29. (Original) The method of claim 27, further comprising generating a business logic foundation code.
30. (Original) The method of claim 27, wherein generating an event handler skeleton further comprises:
- parsing at least one input file;
 - reviewing the parsed input file for a tag type, an attribute name and an attribute value;
 - and
 - determining an event handler method based on the tag type, the attribute name and the attribute value.
31. (Original) The method of claim 27, wherein the web application source code is generated in an object-oriented programming language.
32. (Original) The method of claim 27, further comprising determining if the application framework code is available for the web application.
33. (Original) The method of claim 27, further comprising generating a graphical user interface code.

34. (Original) The method of claim 33, wherein generating a graphical user interface code is based on the input files.

35. (Original) The method of claim 27, wherein generating an event handler skeleton is based on the input files.

36. (Original) The method of claim 27, further comprising compiling the web application source code.

37. (Original) The method of claim 27, further comprising interpreting the web application source code.

38. (Original) The method of claim 27, wherein the input files are in XML format.

39. (Original) The method of claim 27, wherein the input files are in HTML format.

40. (Original) The method of claim 27, wherein the input files are in cHTML format.

41. (Original) The method of claim 27, wherein the input files are in WML format.

42. (Original) The method of claim 27, further comprising receiving modified input files.

43. (Original) The method of claim 42, further comprising compiling the modified input files at runtime.

44. (Original) The method of claim 43, further comprising binding the web application source code with the compiled modified input files at runtime.

45. (Original) The method of claim 42, further comprising interpreting the modified input files at runtime.

46. (Original) The method of claim 45, further comprising binding the web application source code with the interpreted modified input files at runtime.

47. (Original) The method of claim 27, wherein the application framework code comprises an application object and a servlet web application framework object.

48. (Original) A method of generating computer code for a web application, comprising:
- receiving input files, wherein the input files are at least one web application graphical user interface;
 - generating an application framework code and an event handler skeleton;
 - receiving web application business logic objects;
 - receiving event handler methods;
 - organizing the application framework code, the web application business logic objects and the event handler methods into web application source code;
 - receiving modified input files; and
 - binding the modified input files with the web application source code at runtime.
49. (Original) The method of claim 48, further comprising compiling the modified input files at runtime.
50. (Original) The method of claim 48, further comprising interpreting the modified input files at runtime.
51. (Original) The method of claim 48, wherein generating an event handler skeleton further comprises:
- parsing at least one input file;
 - reviewing the parsed input file for a tag type, an attribute name and an attribute value; and
 - determining an event handler method based on the tag type, the attribute name and the attribute value.
52. (Original) The method of claim 48, wherein the web application source code is generated in an object-oriented programming language.
53. (Original) The method of claim 48, further comprising determining if the application framework code is available for the web application.
54. (Original) The method of claim 48, further comprising generating a business logic foundation code.

55. (Original) The method of claim 48, further comprising generating a graphical user interface code.
56. (Original) The method of claim 48, further comprising compiling the web application source code.
57. (Original) The method of claim 48, further comprising interpreting the web application source code.
58. (Original) The method of claim 48, wherein the input files are in XML format.
59. (Original) The method of claim 48, wherein the input files are in HTML format.
60. (Original) The method of claim 48, wherein the input files are in cHTML format.
61. (Original) The method of claim 48, wherein the input files are in WML format.
62. (Original) The method of claim 49, wherein the modified input files are compiled into DOM objects at runtime.
63. (Original) The method of claim 48, wherein the application framework code comprises an application object and a servlet web application framework object.
64. (Currently Amended) A method of generating computer code for a web application, comprising:
- receiving input files, wherein the input files are at least one web application graphical user interface;
 - retrieving an application framework code from an application directory;
 - generating an event handler skeleton;
 - receiving web application business logic objects;
 - receiving event handler methods;
 - organizing the application framework code, the web application business logic objects and the event handler methods into web application source code;

~~receiving modified input files;~~ and

binding ~~the~~ modified input files with the web application source code at runtime.

65. (Original) The method of claim 64, wherein generating an event handler skeleton further comprises:

parsing at least one input file;

reviewing the parsed input file for a tag type, an attribute name and an attribute value;

and

determining an event handler method based on the tag type, the attribute name and the attribute value.

66. (Original) The method of claim 64, further comprising determining if the application framework code is available for the web application.

67. (Original) The method of claim 64, further comprising generating a business logic foundation code.

68. (Original) The method of claim 64, further comprising retrieving a business logic foundation code.

69. (Original) The method of claim 64, further comprising generating a graphical user interface code.

70. (Original) The method of claim 64, wherein generating an event handler skeleton is based on the input files.

71. (Original) The method of claim 64, wherein the input files are in XML format.

72. (Original) The method of claim 64, wherein the input files are in HTML format.

73. (Original) The method of claim 64, wherein the input files are in cHTML format.

74. (Original) The method of claim 64, wherein the input files are in WML format.

75. (Original) The method of claim 64, further comprising compiling the modified input files at runtime.

76. (Original) The method of claim 64, further comprising interpreting the modified input files at runtime.

77. (Original) The method of claim 64, wherein the application framework code comprises an application object and a servlet web application framework object.

78. (Original) A method of generating computer code for a web application, comprising:
receiving a business logic foundation code, an event handler skeleton and a graphical user interface code;
preparing web application business logic objects based on the business logic foundation code; and
preparing event handler methods based on the event handler skeleton.

Claims 79-161 (canceled)

162. (Currently Amended) A ~~server~~ device for generating computer code for a web application, comprising:
a storage device; and
a processor connected to the storage device, the storage device storing a program for controlling the processor;
the processor operative with the program to:
~~receive input files from a graphic designer, wherein the input files are at least one web application graphical user interface;~~
~~determine if an application framework code is available for the web application;~~
~~generate the application framework code if the application framework code is not available;~~
generate a business logic foundation code, an event handler skeleton and a graphical user interface code;

receive web application business logic objects from a web developer;
receive event handler methods from the web developer;
organize the application framework code, the web application business logic objects and the event handler methods into web application source code;
compile the web application source code;
~~receive modified input files from the graphic designer;~~
compile ~~the~~ modified input files at runtime; and
bind the compiled modified input files with the compiled web application source code at runtime.

163. (Currently Amended) A ~~server~~ device for generating computer code for a web application, comprising:

a storage device; and
a processor connected to the storage device, the storage device storing a program for controlling the processor;
the processor operative with the program to:
receive input files, wherein the input files are at least one web application graphical user interface;
generate an application framework code and an event handler skeleton;
receive web application business logic objects;
receive event handler methods;
organize the application framework code, the web application business logic objects and the event handler methods into application source code; and
bind the web application source code with the input files at runtime.

164. (Currently Amended) A ~~server~~ device for generating computer code for a web application, comprising:

a storage device; and
a processor connected to the storage device, the storage device storing a program for controlling the processor;
the processor operative with the program to:

receive input files, wherein the input files are at least one web application graphical user interface;
retrieve an application framework code from an application directory;
generate an event handler skeleton;
receive web application business logic objects;
receive event handler methods;
organize the application framework code, the web application business logic objects and the event handler methods into application source code; and
bind the web application source code with the input files at runtime.

165. (Currently Amended) A ~~server~~ device for generating computer code for a web application, comprising:

a storage device; and
a processor connected to the storage device, the storage device storing a program for controlling the processor;
the processor operative with the program to:
receive input files, wherein the input files are at least one web application graphical user interface;
generate an application framework code and an event handler skeleton;
receive web application business logic objects;
receive event handler methods;
organize the application framework code, the web application business logic objects and the event handler methods into web application source code;
receive modified input files; and
bind the modified input files with the web application source code at runtime.

166. (Currently Amended) A ~~server~~ device for generating computer code for a web application, comprising:

a storage device; and
a processor connected to the storage device, the storage device storing a program for controlling the processor;
the processor operative with the program to:

receive input files, wherein the input files are at least one web application graphical user interface;

retrieve an application framework code from an application directory;

generate an event handler skeleton;

receive web application business logic objects;

receive event handler methods;

organize the application framework code, the web application business logic objects and the event handler methods into web application source code;

receive modified input files; and

bind the modified input files with the web application source code at runtime.

167. (New) The method of claim 1, further comprising:

determining if an application framework code is available for the web application; and

if the application framework code is not available, then generating the application framework code.

168. (New) The device of claim 166, further comprising:

a determining mechanism configured to determine if an application framework code is available for the web application; and

a code generator configured to generate the application framework code.

169. (New) The device of claim 162, wherein the processor is further operative with the program to:

determine if an application framework code is available for the web application; and

if the application framework code is not available, then generate the application framework code.

170. (New) The device of claim 162 wherein the processor is operative with the program in generating the event handler skeleton to:

parse at least one input file;

review the parsed input file for a tag type, an attribute name and an attribute value;

and

determine an event handler method based on the tag type, the attribute name and the attribute value.

171. (New) The device of claim 163 wherein the processor is operative with the program in generating the event handler skeleton to:

parse at least one input file;

review the parsed input file for a tag type, an attribute name and an attribute value;

and

determine an event handler method based on the tag type, the attribute name and the attribute value.

172. (New) The device of claim 164 wherein the processor is operative with the program in generating the event handler skeleton to:

parse at least one input file;

review the parsed input file for a tag type, an attribute name and an attribute value;

and

determine an event handler method based on the tag type, the attribute name and the attribute value.

173. (New) The device of claim 165 wherein the processor is operative with the program in generating the event handler skeleton to:

parse at least one input file;

review the parsed input file for a tag type, an attribute name and an attribute value;

and

determine an event handler method based on the tag type, the attribute name and the attribute value.

174. (New) The device of claim 166 wherein the processor is operative with the program in generating the event handler skeleton to:

parse at least one input file;

review the parsed input file for a tag type, an attribute name and an attribute value;

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and

determine an event handler method based on the tag type, the attribute name and the attribute value.